

(19)



JAPANESE PATENT OFFICE

## PATENT ABSTRACTS OF JAPAN

(11) Publication number: **08152865 A**

(43) Date of publication of application: 11 . 06 . 96

(51) Int Cl

**G09G 3/28**  
**H04N 5/66**

(21) Application number: 07041536

(22) Date of filing: 01 . 03 . 95

(30) Priority: 28 . 09 . 94 JP 06233351

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**(54) PLASMA DISPLAY PANEL DRIVE CIRCUIT**

(57) Abstract

**PURPOSE:** To provide a drive circuit reducing reactive power when panel capacity is charged/discharged, saving the power consumption and realizing it with a less number of parts when a plasma display panel is driven.

**CONSTITUTION:** This circuit is provided with a charge/discharge circuit part 2 connected to a capacity between scan/maintenance electrodes (panel capacity) CP of the plasma display panel 1 in parallel and combining a coil 8, FET switches 12, 13 and opposite current preventing diodes 10, 11 and a voltage clamping part 3 provided with four pieces of switches 4-7 connected to both ends of the panel capacity CP. A parallel resonance circuit is formed by the panel capacity CP and a series circuit of the coil 8 and the switches 12, 13, and by controlling respective switches 4-7 and 12, 13 with switch drive inputs IN1-IN6, the charge/discharge of the panel capacity CP is repeated.

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